## **CONTENTS**

R

KARL POHLHAUSEN, AS I REMEMBER HIM, Knox Millsaps	1
Wave Action and Wave-Mean Flow Interaction, With Application to Stratified Shear Flows, R. Grimshaw	11
THE DEFORMATION OF SMALL VISCOUS DROPS AND BUBBLES IN SHEAR FLOWS, J. M. Rallison	45
Numerical Solution of the Nonlinear Boltzmann Equation for Nonequilibrium Gas Flow Problems, S. M. Yen	67
Numerical Simulation of Turbulent Flows, Robert S. Rogallo and Parviz Moin	99
NONLINEAR INTERACTIONS IN THE FLUID MECHANICS OF HELIUM II, H. W. Liepmann and G. A. Laguna	139
SECONDARY FLOW IN CURVED OPEN CHANNELS, Marco Falcón	179
VORTEX SHEDDING FROM OSCILLATING BLUFF BODIES, P. W. Bearman	195
MODERN OPTICAL TECHNIQUES IN FLUID MECHANICS, Werner Lauterborn and Alfred Vogel	223
STABILITY AND COAGULATION OF COLLOIDS IN SHEAR FIELDS, W. R. Schowalter	245
AEROACOUSTICS OF TURBULENT SHEAR FLOWS, M. E. Goldstein	263
COMPUTER-EXTENDED SERIES, Milton Van Dyke	287
DYNAMIC PARAMETERS OF GASEOUS DETONATIONS, John H. S. Lee	311
SUPERCRITICAL AIRFOIL AND WING DESIGN, H. Sobieczky and A. R. Seebass	337
PERTURBED FREE SHEAR LAYERS, Chih-Ming Ho and Patrick Huerre	365
INDEXES	
Subject Index	425
Cumulative Index of Contributing Authors, Volumes 1–16	431
Cumulative Index of Chapter Titles, Volumes 1–16	434